OIPE JC37
FEB 21 2003
PATENT & TRADEMARK OFFICE

PATENTS ONLY

06-11-2002

102118159

PATENTS ONLY

0/4

Please re... or copy thereof.

1. Name of Party(ies) conveying an in...

Chang-Gong Liu
Abhijit Mazumder
Charles K. Brush
W. Travis Johnson

OIPE JC37
JUN 03 2002
PATENT & TRADEMARK OFFICE

6-3-02

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. ...d Address of Party(ies) receiving an interest:

Name: MOTOROLA, INC.
Internal Address: MD IL 08/46
Street Address: 4088 Commercial Avenue
City: Northbrook
State/Zip: IL 60062

Additional name(s) and addresses attached? ☐ Yes ☒ No

RECEIVED
FEB 25 2003
TECH CENTER 1600/2900

3. Description of the interest conveyed:
☒ Assignment ☐ Change of Name Other:
☐ Security Agreement ☐ Merger

Execution Date: May 10, 2002, May 13, 2002 and May 15, 2002

4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s) B. Patent No.(s)

Serial No. 10,025,185
HYDROGEL-BASED MICROARRAY
SIGNAL AMPLIFICATION METHODS AND DEVICES
THEREFOR – Chang-Gong Liu et al.
Filed: December 19, 2001
Attorney Docket No. 10907/5

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:
BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312)321-4200

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) $ 40
☒ Enclosed
☐ Authorized to be charged to Deposit Account No. 23-1925

8. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

06/10/2002 TDIAZ1 00000089 10025185
01 FC:581 40.00 OP

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jonathan M. Blanchard, Ph.D
Name of Person Signing

Signature

May 17, 2002
Date

Case No. 10907-5

ASSIGNMENT

WHEREAS, Chang-Gong Liu, Abhijit Mazumder, Charles K. Brush, and W. Travis Johnson, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled HYDROGEL-BASED MICROARRAY SIGNAL AMPLIFICATION METHODS AND DEVICES THEREFOR, for a full description of which reference is here made to an application for Letters Patent of the United States filed on December 19, 2001 and assigned Application Serial No. 10/025,185;

WHEREAS, Motorola, Inc., a corporation organized and existing under the laws of the State of Illinois, having a place of business at 1303 East Algonquin Road, Schaumburg, Illinois 60196, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

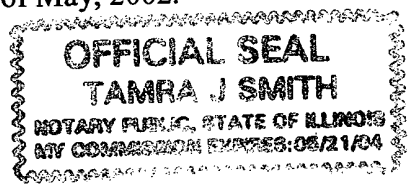
NOW, THEREFORE, in consideration of the sum of One Dollar ($1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, Tamra J. Smith, A Notary Public in and for the County and State aforesaid, do hereby certify that Chang-Gong Liu, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 10th day of May, 2002.



Tamra J Smith
Notary Public

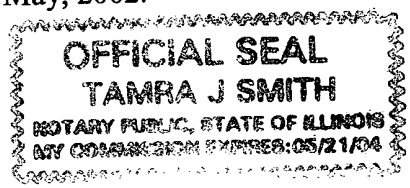
(SEAL)

My Commission Expires: 5/21/2004

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, Tamra J. Smith, A Notary Public in and for the County and State aforesaid, do hereby certify that Abhijit Mazumder, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 10th day of May, 2002.



Tamra J Smith
Notary Public

(SEAL)

My Commission Expires: 5/21/2004

vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: 5/10/2002 — Chang-Gong Liu

DATED: 5/10/02 — Abhijit Mazumder

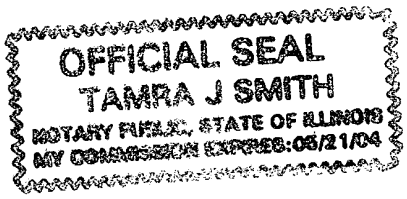
DATED: 5/13/02 — Charles K. Brush

DATED: 05/15/02 — W. Travis Johnson

STATE OF ILLINOIS)
) ss.
COUNTY OF COOK)

I, Tamra J. Smith, A Notary Public in and for the County and State aforesaid, do hereby certify that Charles K. Brush, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 13th day of May, 2002.



(SEAL)

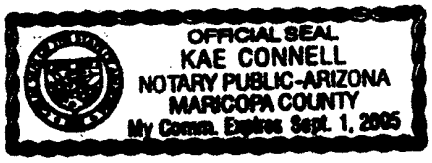
Tamra J Smith
Notary Public

My Commission Expires: 5/21/2004

STATE OF ARIZONA)
) ss.
COUNTY OF)

I, Kae Connell, A Notary Public in and for the County and State aforesaid, do hereby certify that W. Travis Johnson, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 15 day of May, 2002.



(SEAL)

Kae Connell
Notary Public

My Commission Expires: 9-1-2005

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FEB 21 2003
PATENT & TRADEMARK OFFICE

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FEB 25 2003
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#6

Please type a plus sign (+) inside this box → [+]

PTO/SB/81 (11-96)
Approved for use through 6/30/98. OMB 0651-0035
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT, NOT ACCOMPANYING APPLICATION

Application Number	10/025,185
Filing Date	19-Dec-2001
First Named Inventor	C. Liu
Group Art Unit	1645
Examiner Name	To be assigned
Attorney Docket Number	PB01110

I hereby appoint:

[X] Practitioners at Customer Number 22840 → Place Customer Number Bar Code Label here

OR

[] Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

[X] The above-mentioned Customer Number.

OR

[] Firm *or* Individual Name					
Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

[] Applicant.

[X] Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name	Andrew Rackear
Signature	
Date	February 13, 2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

OIPE JC16
FEB 21 2003
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PTO/SB/96 (6-98)
Approved for use through 09/30/2000. OMB 0651-0031
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Amersham Biosciences AB

Application No./Patent No.: 10/025,185 Filed/Issue Date: 19-Dec-2001

Entitled: Hydrogel-Based Microarray Signal Amplification Methods and Devices Therefor

Amersham Biosciences AB, a corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

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states that it is:

1. [X] the assignee of the entire right, title, and interest; or
2. [] an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. [X] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Chang-Gong Liu To: Motorola, Inc.
 The document was recorded in the Patent and Trademark Office at
 Reel 012962, Frame 0225, or for which a copy thereof is attached.
2. From: Abhijit Mazumder To: Motorola, Inc.
 The document was recorded in the Patent and Trademark Office at
 Reel 012962, Frame 0225, or for which a copy thereof is attached.
3. From: Charles K. Brush To: Motorola, Inc.
 The document was recorded in the Patent and Trademark Office at
 Reel 012962, Frame 0225, or for which a copy thereof is attached.

[X] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

[**NOTE**: A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

February 13, 2003
Date

Signature

Andrew Rackear
Typed or printed name

Attorney-In-Fact
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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FEB 21 2003
PATENT & TRADEMARK OFFICE

STATEMENT UNDER 37 CFR 3.73(b)

SUPPLEMENTAL SHEET LISTING ADDITIONAL DOCUMENTS IN THE CHAIN OF TITLE

4. From: **W. Travis Johnson** To: **Motorola, Inc.**

The document was recorded in the Patent and Trademark Office at Reel **012962**, Frame **0225**, or for which a copy thereof is attached.

5. From: **Motorola, Inc.** To: **Amersham Biosciences AB**

The document was recorded in the Patent and Trademark Office at Reel **013323**, Frame **0940**, or for which a copy thereof is attached.

UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 06, 2003

PTAS

AMERSHAM BIOSCIENCES CORP
ROYAL N. RONNING, JR.
800 CENTENNIAL AVENUE
PISCATAWAY, NJ 08855

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

102238150A

OIPE JC16 FEB 21 2003 PATENT & TRADEMARK OFFICE

UNITED STATES PATENT AND TRADEMARK OFFICE
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/25/2002

REEL/FRAME: 013323/0940
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MOTOROLA, INC.

DOC DATE: 07/18/2002

ASSIGNEE:
AMERSHAM BIOSCIENCES AB
BJORKGATAN 30
UPPSALA, SWEDEN SE751-84

√ SERIAL NUMBER: 09580744
PATENT NUMBER:
FILING DATE: 05/26/2000
ISSUE DATE:

√ SERIAL NUMBER: 60155431
PATENT NUMBER:
FILING DATE: 09/22/1999
ISSUE DATE:

√ SERIAL NUMBER: 10114903
PATENT NUMBER:
FILING DATE: 04/01/2002
ISSUE DATE:

√ SERIAL NUMBER: 09439889
PATENT NUMBER:
FILING DATE: 11/12/1999
ISSUE DATE:

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JAN 14 2003
ROYAL N. RONNING, JR.

SERIAL NUMBER: 09334217	FILING DATE: 06/16/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09464490	FILING DATE: 12/15/1999
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09605766	FILING DATE: 06/28/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09492013	FILING DATE: 01/26/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09344620	FILING DATE: 06/25/1999
PATENT NUMBER: 6372813	ISSUE DATE: 04/16/2002
SERIAL NUMBER: 09976986	FILING DATE: 10/11/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10025185	FILING DATE: 12/19/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09707823	FILING DATE: 11/07/2000
PATENT NUMBER: 6500921	ISSUE DATE: 12/31/2002
SERIAL NUMBER: 09642863	FILING DATE: 08/21/2000
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10022014	FILING DATE: 12/14/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10114908	FILING DATE: 04/01/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 60950767	FILING DATE:
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09946424	FILING DATE: 09/05/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09921045	FILING DATE: 08/02/2001
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10131426	FILING DATE: 04/23/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09149506	FILING DATE: 09/08/1998
PATENT NUMBER: 6203985	ISSUE DATE: 03/20/2001
SERIAL NUMBER: 09149507	FILING DATE: 09/08/1998
PATENT NUMBER: 5936730	ISSUE DATE: 08/10/1999
SERIAL NUMBER: 09174605	FILING DATE: 10/19/1998
PATENT NUMBER: 6048699	ISSUE DATE: 04/11/2000

SERIAL NUMBER: 09174606 PATENT NUMBER: 6096172	FILING DATE: 10/19/1998 ISSUE DATE: 08/01/2000
SERIAL NUMBER: 08533825 PATENT NUMBER: 5597182	FILING DATE: 09/26/1995 ISSUE DATE: 01/28/1997
SERIAL NUMBER: 08634103 PATENT NUMBER: 5671303	FILING DATE: 04/17/1996 ISSUE DATE: 09/23/1997
SERIAL NUMBER: 08861927 PATENT NUMBER: 5841914	FILING DATE: 05/22/1997 ISSUE DATE: 11/24/1998
SERIAL NUMBER: 08901102 PATENT NUMBER: 6103467	FILING DATE: 07/28/1997 ISSUE DATE: 08/15/2000
SERIAL NUMBER: 08634082 PATENT NUMBER: 5733509	FILING DATE: 04/17/1996 ISSUE DATE: 03/31/1998
SERIAL NUMBER: 08951319 PATENT NUMBER: 6013446	FILING DATE: 10/16/1997 ISSUE DATE: 01/11/2000
SERIAL NUMBER: 08648635 PATENT NUMBER: 5731152	FILING DATE: 05/13/1996 ISSUE DATE: 03/24/1998
SERIAL NUMBER: 08838491 PATENT NUMBER: 5948694	FILING DATE: 04/07/1997 ISSUE DATE: 09/07/1999
SERIAL NUMBER: 08859513 PATENT NUMBER: 6048691	FILING DATE: 05/20/1997 ISSUE DATE: 04/11/2000

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

UNITED STATES PATENT AND TRADEMARK OFFICE

OIPE JC16 FEB 21 2003 PATENT & TRADEMARK OFFICE

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AUGUST 08, 2002

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Chief Information Officer
Washington, DC 20231
www.uspto.gov

BRINKS HOFER GILSON & LIONE
JONATHAN M. BLANCHARD, PH.D.
P.O. BOX 10395
CHICAGO, ILLINOIS 60610



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/03/2002

REEL/FRAME: 012962/0225
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
LIU, CHANG-GONG

DOC DATE: 05/10/2002

ASSIGNOR:
MAZUMDER, ABHIJIT

DOC DATE: 05/10/2002

ASSIGNOR:
BRUSH, CHARLES K.

DOC DATE: 05/13/2002

ASSIGNOR:
JOHNSON, W. TRAVIS

DOC DATE: 05/15/2002

ASSIGNEE:
MOTOROLA, INC.
4088 COMMERCIAL AVENUE
MD IL 08/46
NORTHBROOK, ILLINOIS 60062

SERIAL NUMBER: 10025185
PATENT NUMBER:

FILING DATE: 12/19/2001
ISSUE DATE:

BRINKS HOFER GILSON & LIONE
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U. S. DOCKET

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM TO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp.5/31/2002)
P08/REV03

10-02-2002

102238150

Docket No.: Motorola

EET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Motorola, Inc.

OIPE SC19
FEB 21 2003
PATENT & TRADEMARK OFFICE

9-30-02

Additional name(s) of conveying party(ies) ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Amersham Biosciences AB

Internal Address:

Street Address: Bjorkgatan 30

Uppsala, Sweden SE751-84

City: State: ZIP:

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

Execution Date: July 18, 2002

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/580,744	09/334,217	09/344,620
60/155,431	09/464,490	09/976,986
10/114,903	09/605,766	10/025,185
09/439,889	09/492,013	09/707,823

B. Patent No.(s)

6,203,985	5,597,182	5,733,509
5,936,730	5,671,303	6,013,446
6,048,699	5,841,914	5,731,152
6,096,172	6,103,467	5,948,694

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Royal N. Ronning, Jr.

Internal Address: Amersham Biosciences Corp

10/03/2002 LHUELLER 00000019 500588 09580744
01 FC:581 1280.00 CH

Street Address: 800 Centennial Avenue

City: Piscataway State: NJ ZIP: 08855

6. Total number of applications and patents involved: 29

7. Total fee (37 CFR 3.41):.....$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

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2002 SEP 30 AM 11:59
FINANCE SECTION

8. Deposit account number:

500-588

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Royal N. Ronning, Jr. — Name of Person Signing

Royal N. Ronning, Jr. — Signature

September 25, 2002 — Date

Total number of pages including cover sheet, attachments, and document: 12

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

OIPE JC19
FEB 21 2003
PATENT & TRADEMARK OFFICE

Continuation of Patent Application No.(s):

09/642,863
10/022,014
10/114,908
60/950,767
09/946,424
09/921,045
10/131,426

Continuation of Patent No.(s):

6,048,691

PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT is entered into this 24th day of July 2002, by and between MOTOROLA, INC., a Delaware corporation (the "Assignor"), and AMERSHAM BIOSCIENCES AB, a corporation organized under the laws of Sweden (the "Assignee).

WHEREAS, the Assignor is the owner of certain new and useful inventions as described in the patent applications (whether pending or in the process of preparation) and patents listed in the attached Schedule (all such inventions, patents and patent applications collectively referred to as the "Patents"); and

WHEREAS, the Assignee, is desirous of acquiring, and Assignor is desirous of assigning to Assignee all of its right, title and interest in and to the Patents.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and conditions herein contained and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. Assignor hereby SELLS, ASSIGNS and CONVEYS unto Assignee all of its right, title, and interest to:

a. The Patents, including all U.S. and foreign counterparts and rights of priority thereto;

b. Any continuations, continuations-in-part (in whole or in part) filed by Assignee, divisionals, extensions, renewals, reissues, utility models, inventor's certificates and reexaminations issuing from the Patents and filed by the Assignee;

c. All rights of action to recover for past, present and future damages for infringement of said Patents subject to any licensing agreement of the Assignor set forth on Schedule 2.1.1(a) of the Intellectual Property Agreement of even date herewith; and

d. The right for the Assignee to register any of the Patents transferred to the Assignee in its own name.

2. Assignor shall cooperate with Assignee, at Assignee's request, to execute all documents and deeds that are reasonably necessary for giving full effect to the assignment contained herein.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

By: _____

Name: JONATHAN P. MEYER
Title: SR. VICE PRESIDENT & ASST. GENERAL COUNSEL I.P. SECTION, LAW DEPT.

AMERSHAM BIOSCIENCES AB

By: _____

Name:
Title:

THE STATE OF ILLINOIS ϶
϶
COUNTY OF COOK ϶

Before me, the undersigned authority, on this 17th day of July, 2002 personally appeared JONATHAN P. MEYER, who being by me first duly sworn declared that he is the SR. V.P. + ASST. GEN'L COUNSEL of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

OFFICIAL SEAL
GABRIELLE RICHARDS
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES:08/05/05

Gabrielle Richards
Notary Public

THE STATE OF ϶
϶
COUNTY OF ϶

Before me, the undersigned authority, on this _____ day of July, 2002 personally appeared _____, who being by me first duly sworn declared that he is the _____ of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Notary Public

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

By:_____

Name:
Title:

AMERSHAM BIOSCIENCES AB

By: Andrew Carr

Name: Andrew Carr
Title: Authorized Signatory

THE STATE OF ∋
∋
COUNTY OF ∋

Before me, the undersigned authority, on this _____ day of July, 2002 personally appeared _____, who being by me first duly sworn declared that he is the _____ of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Notary Public

THE STATE OF New Jersey ∋
∋
COUNTY OF Middlesex ∋

Before me, the undersigned authority, on this 18th day of July, 2002 personally appeared Andrew Carr, who being by me first duly sworn declared that he is the Authorized Signatory of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Kim R. Novak
Notary Public

KIM R. NOVAK
Notary Public of New Jersey
My Commission Expires May 17, 2005
LIC. 2177995

OIPE JC19
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Country	Patent No. / Appl. No.	Status	Title
Australia	707952	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Australia	711411	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Australia	56362/00	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Canada	2251942	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Canada	2260897	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Canada	PCT/US00/17422	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
France	9704604	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
France	9704606	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
India	968/Del/1997	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
India	977/Del/97	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
India	698/Del/97	Filed	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
Japan	2000-576950	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
Japan	9-537158	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
Japan	10-550418	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY

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Country	Patent No. / Appl. No.	Status	Title
Japan	2001-507097	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Korea	10-2000-0013387	Filed	BIO-MOLECULE ANALYZER
Korea	10-2000-0015450	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	6,203,985	Granted	BIO-MOLECULE ANALYZER
United States	5,936,730	Granted	BIO-MOLECULE ANALYZER
United States	6,048,699	Granted	METHOD OF FABRICATION BIOCHIP ARRAYS
United States	6,096,172	Granted	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	09/580,744	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	5,597,182	Granted	PERSONAL HUMAN ANATOMY CARD
United States	5,671,303	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	5,841,914	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	6,103,467	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
United States	5,733,509	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
United States	6,013,446	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,731,152	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,948,694	Granted	MOLECULAR DETECTION APPARATUS
United States	6,048,691	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY

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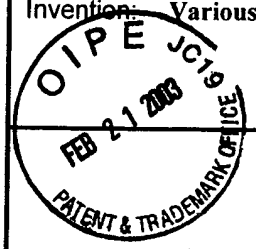
Country	Patent No./ Appl. No.	Status	Title
United States	60/155,431	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
United States	10/114,903	Filed	SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	09/439,889	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
United States	09/334,217 (Second appl. awaiting S/N from USPTO)	Filed	POLYACRYLAMIDE HYDROGELS
United States	09/464,490 09/605,766 09/492,013	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
United States	09/344,620	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
United States	09/976,986 10/025,185	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
United States	09/707,823	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS
United States	09/642,863	Filed	BINDING ARRAYS
United States	10/022,014	Filed	POST-SYNTHESIS LABELING OF NUCLEIC ACIDS
United States	10/114,908	Filed	P450 SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	60/950,767	Filed	RCA APPLICATION
United States	09/946,424	Filed	ARRAY USING MICROSPHERES
United States	09/921,045	Filed	RATIO-BASED OLIGONUCLEOTIDE PROBE SELECTION
Taiwan	NI-118637	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE

O.I.P.E. JC19 FEB 21 2003 PATENT OFFICE

Regional Patent Office	Appl. No.	Status	Title
European Patent Office	99953162.7	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
European Patent Office	97921108.3	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
European Patent Office	9892372.1	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
European Patent Office	941693.4	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Patent Cooperation Treaty	US/00/25988	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
Patent Cooperation Treaty	US/00/42053	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
Patent Cooperation Treaty	US/00/34145	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/02664	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/24894	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
Patent Cooperation Treaty	US/01/41912	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8) Applicant(s): **Amersham Biosciences AB**			Docket No. **Motorola**
Serial No. **Various**	Filing Date **Various**	Examiner **Various**	Group Art Unit **Various**

Invention: **Various**



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(Typed or Printed Name of Person Mailing Correspondence)

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Melissa Leck

Signature _____

Date Feb. 14, 2003